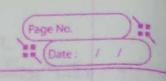
Page No. (Hachine) Language grammer AutoMata Regular Finite (FA) 1) Regular Language grammer dutomata (type 3) push down 2. Context LARE Contex pree queruty grammer (+4pe 2) Limean Bornse 3. Context Sensitive Context sensible gognmen Largrage Arterlated (LBA) (rype 1) a, reconsider enumerable varieties Tuning Machine (r.e.set) grammer (type o) (TM) Symbol: - is any abstract entity which Can not be defined formally. 1) 11 lower case letters up en cesse 11 e) A11 = A11 of en atoM degits on p 5) A11 5) M1 special characters * string : It is sequence of symbols writen side by side



60

E. Conten Semiste

Depresent .

ength at string!

ex s1 = abc 1

PLBA

(x 52 = 6+ x (2) 123

* empty string:-(e)(epsilon)

[e=0]

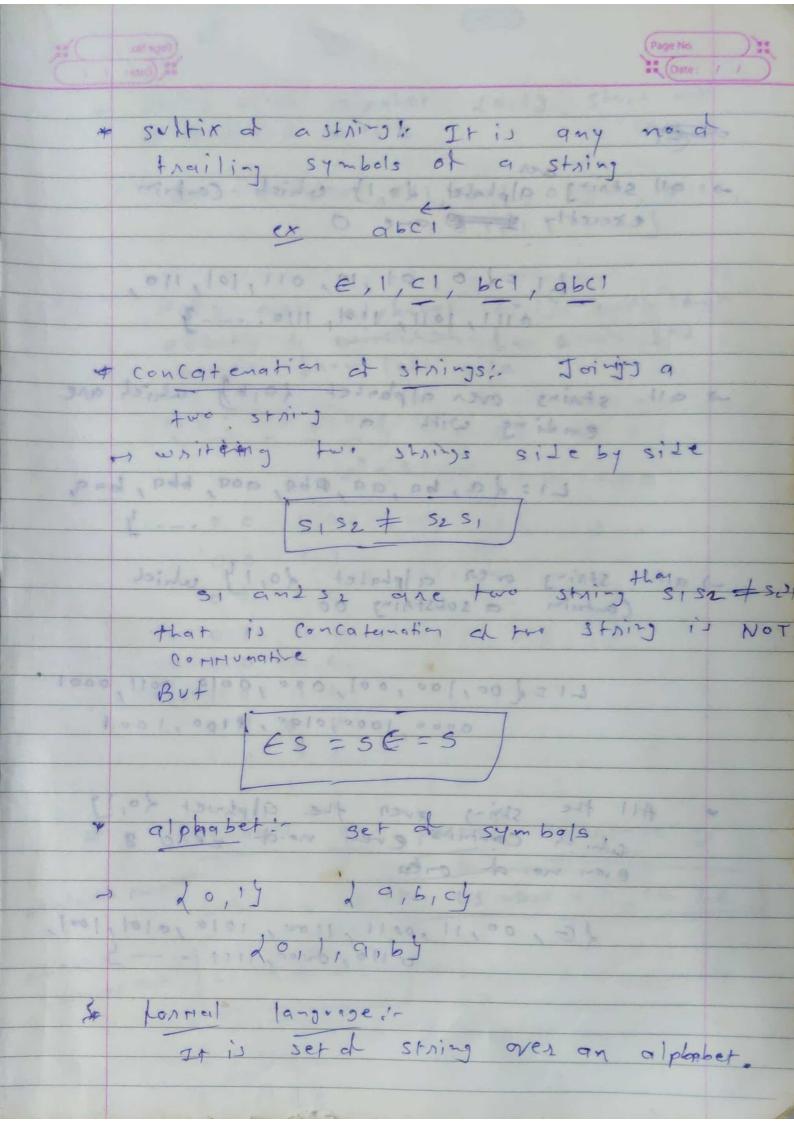
* prefix at a string! - It is any no. of leading symbols of a string

es abelal account

E, a, abc, abc, abc1

ex: ab + @1

€, a, ab, ab+, ab+@, ab+@1



- all string alphabet 20,15 which contin exactly 10 one 0

> 1 L1 = 2 0 , 01 , 10 , 011 , 101 , 110 , 0111, 1011, 1101, 1110, --- 3

ending with a This phi ship we could be a property on

L1= 2a, 6a, aa, aba, aaa, 66a, 6aa,

all string over alphaset do, 19 which that is conspical property of the

> F1 = 9 00, 100, 001, 000, 0010, 0011, 0001 0000,1000,0100,100,1001

All the siring over the alphaet 20,19 which contains even nord zero 8 ever no. of ones

1 see of stains over an alphanet

de,00,11,0011,1100,1010,0101,1001, 0110,0000,1111

-1, serec-pl 1/00000 2

